



# BSM business systems modernization

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## a strategy for 21st century logistics



## **BSM**

# **Property Accountability Transformation**

DPAS CCB Briefing  
August 26, 2004



# Agenda

- **BSM Overview**
- **Components of an ERP**
- **BSM Property**
- **SAP Asset Master Demonstration**
- **Questions**





# What is BSM?

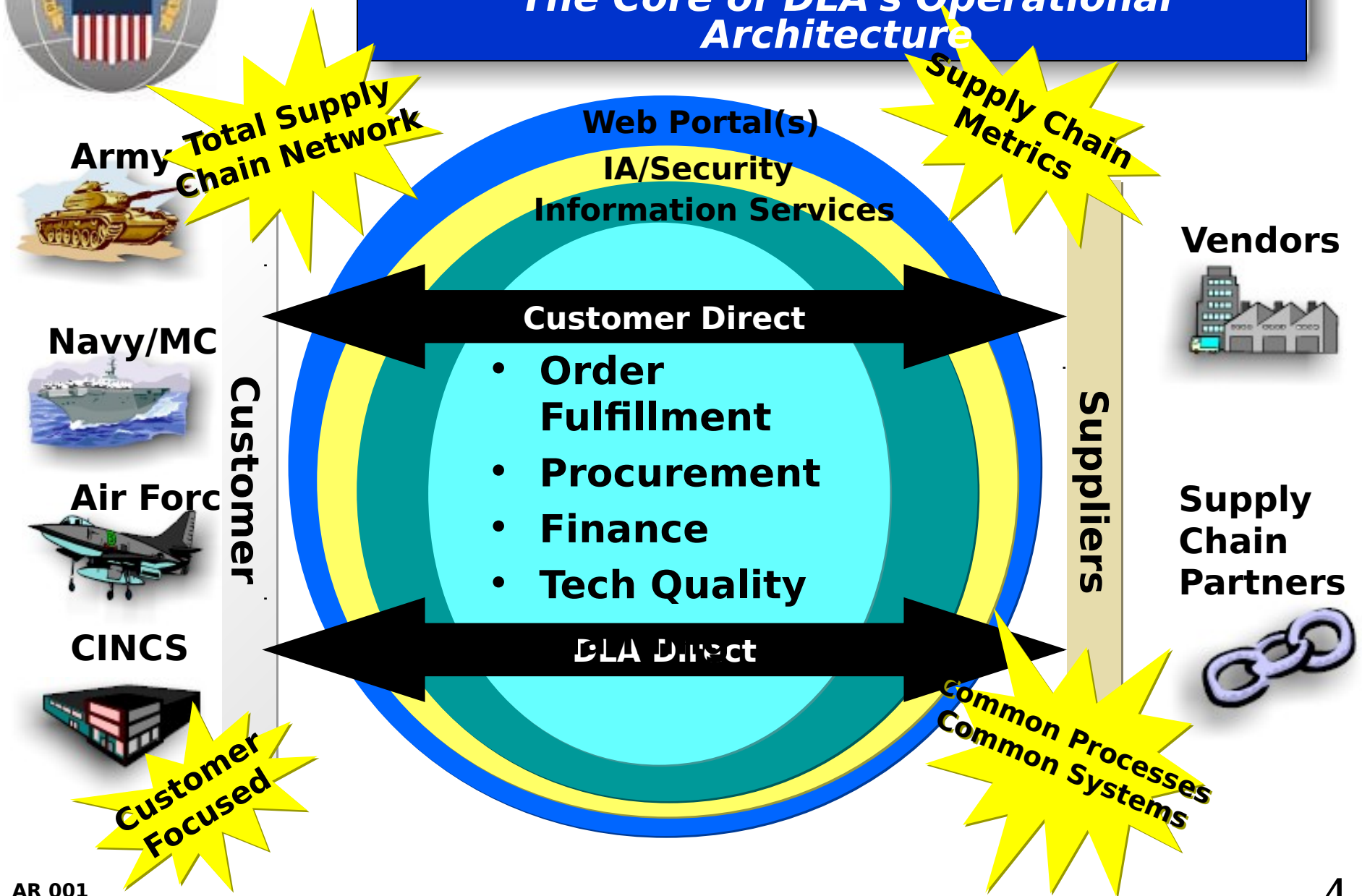
- It's a Transformation
  - Reengineer Processes
  - Use Best Practices
  - Become Commercial-literate
  - New Jobs...New Roles
- Supported by New IT Environment
  - Commercial-Off-The-Shelf (COTS)
  - Embedded Best Practices
  - Enterprise Solution





# BSM Business Blueprint

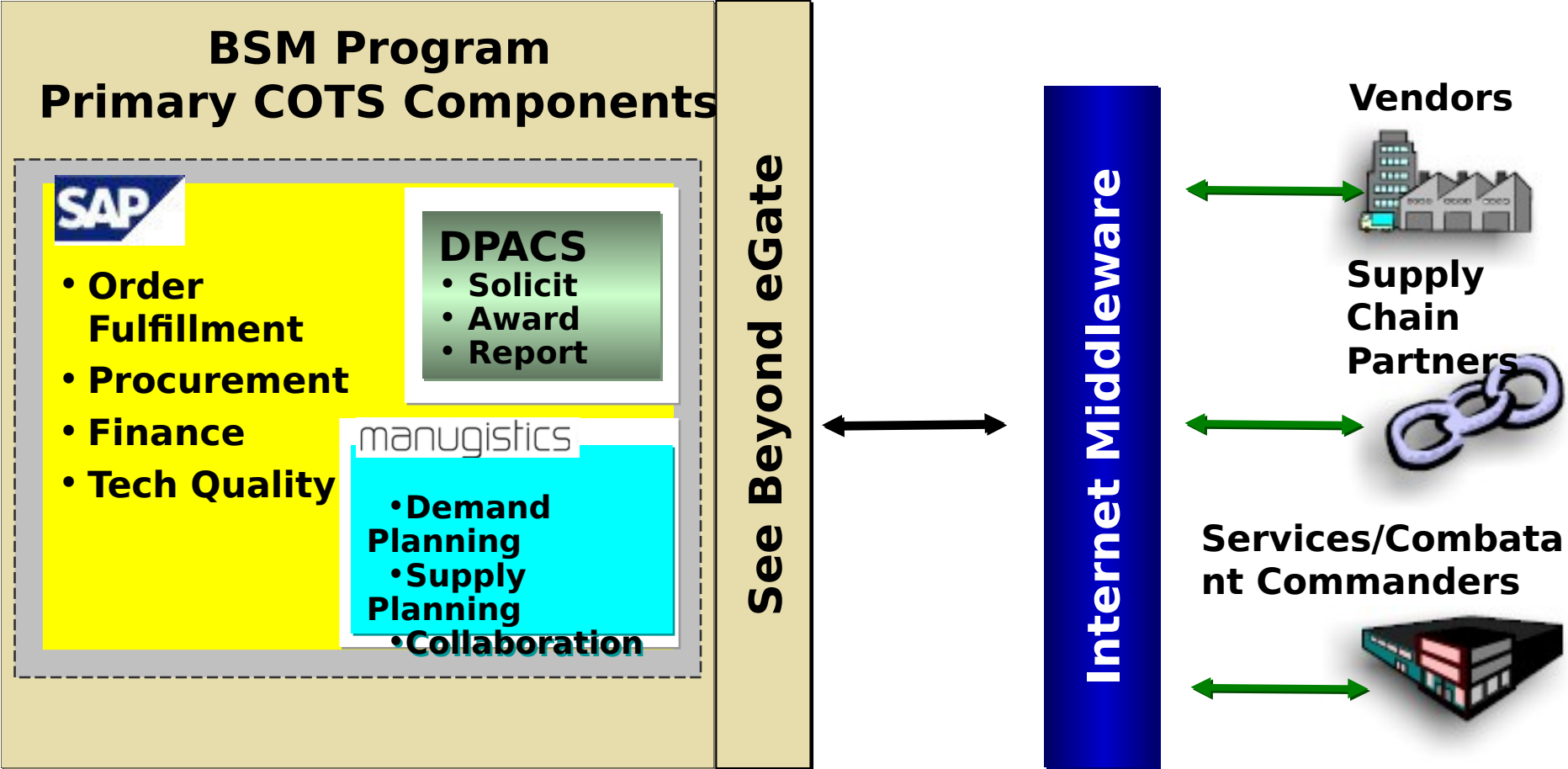
*The Core of DLA's Operational Architecture*





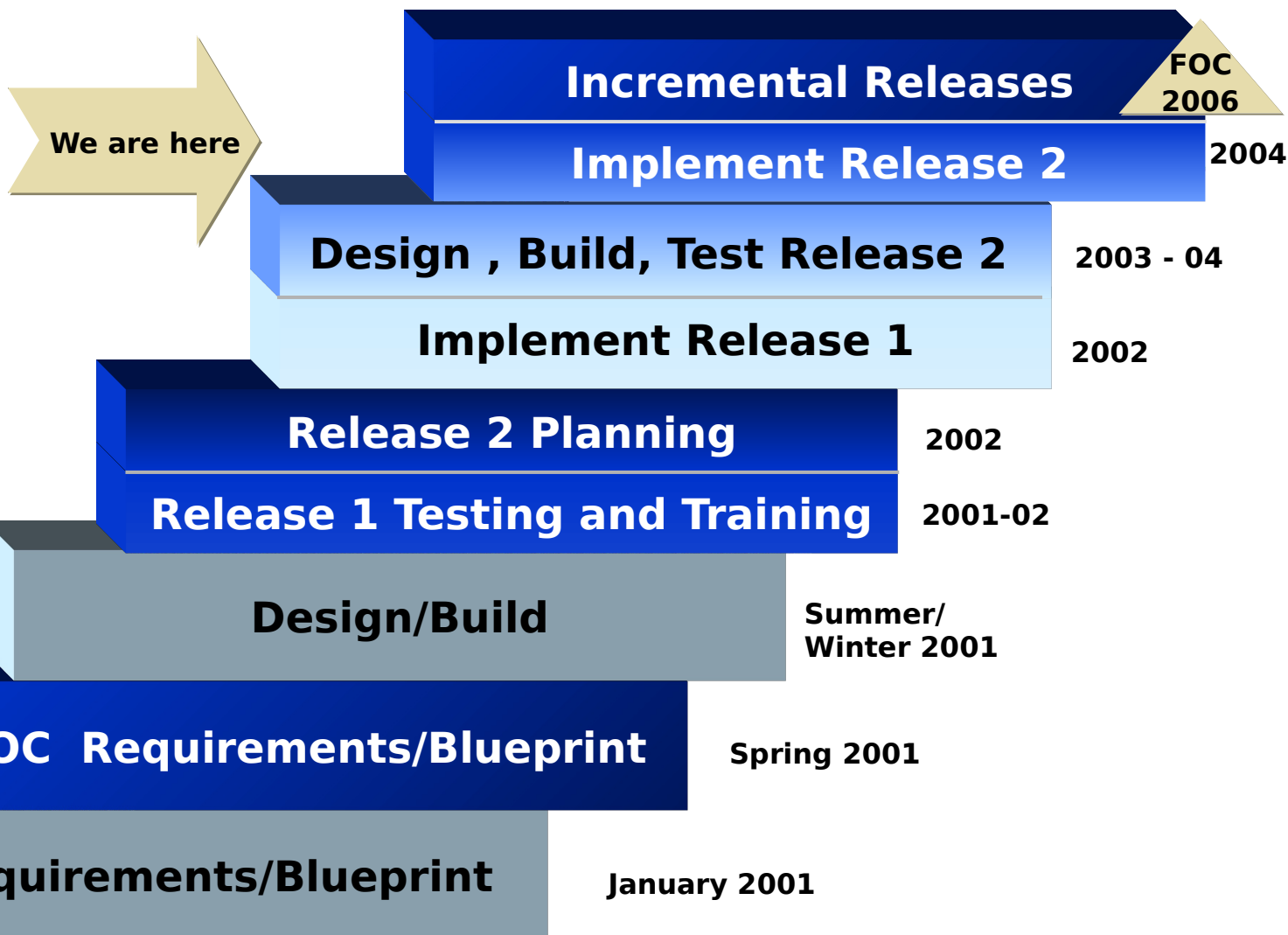
# BSM Blueprint

*The Core of DLA's Systems Architecture*





# BSM Timeline







# Agenda

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# So, what is an ERP?

## Overview

ERP stands for Enterprise Resource Planning. An ERP is one integrated solution replacing legacy systems.

Benefits	Drawbacks
<ul style="list-style-type: none"><li>• One integrated system</li><li>• Complete examination of current business processes</li><li>• Long-term cost savings</li><li>• 3-tiered architecture</li><li>• Standardizes process</li><li>• Real-time transaction capturing</li><li>• Instant impact to G/L</li><li>• One common interface</li><li>• Read/Write to one database</li><li>• Accurate, faster information</li><li>• Better decision-making</li><li>• Flexibility</li><li>• Scalability</li></ul>	<ul style="list-style-type: none"><li>• Complexity</li><li>• Complete examination of current business processes (change factor)</li><li>• Difficult to re-work</li><li>• Short-term inflated expectations</li></ul>

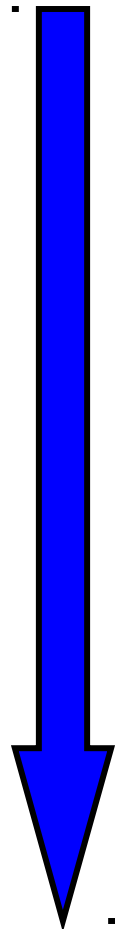




# So, what is an ERP?

## EXAMPLE: BSM transition from DPAS

Start



Phase	Who	Deliverables
<b>Design</b> (5 mos.)	<ul style="list-style-type: none"> <li>• Subject Matter Expert</li> <li>• Functional Contractor</li> </ul>	<ul style="list-style-type: none"> <li>• Detailed design documents, reviewed by team leads</li> <li>• Data-mapping (DPAS to SAP) &amp; create translation rules</li> <li>• Interface data-mapping (SAP to DAISY)</li> </ul>
<b>Build</b> (4 mos.)	<ul style="list-style-type: none"> <li>• Subject Matter Expert</li> <li>• Functional Contractor</li> <li>• Technical Contractor (2+)</li> </ul>	<ul style="list-style-type: none"> <li>• “Configure” SAP Asset Master</li> <li>• Build Asset Classes and G/L posting assignments</li> <li>• Configuration justification documentation</li> <li>• Write conversion program</li> <li>• Build interfaces</li> <li>• Write test plan</li> <li>• ID users and build new job profiles</li> </ul>
<b>Test</b> (5 mos.)	<ul style="list-style-type: none"> <li>• Subject Matter Expert</li> <li>• Functional Contractor</li> <li>• Technical Contractor (2+)</li> <li>• End Users</li> </ul>	<ul style="list-style-type: none"> <li>• Execute test plan – test all configuration</li> <li>• Three mock conversions</li> <li>• Test G/L postings</li> <li>• Test interfaces with DRMS</li> <li>• Develop training curriculum</li> <li>• User testing</li> </ul>
<b>Go-Live</b> (1 month)	<ul style="list-style-type: none"> <li>• End Users</li> <li>• Subject Matter Expert</li> <li>• Functional Contractor</li> <li>• Technical Contractor (2+)</li> </ul>	<ul style="list-style-type: none"> <li>• Prepare production environment</li> <li>• Final data conversion</li> <li>• Validate data conversion load</li> <li>• Turn-on interfaces</li> <li>• BSM SAP Asset Master is LIVE</li> </ul>
<b>PPS</b> (ongoing)	<ul style="list-style-type: none"> <li>• Support team</li> </ul>	<ul style="list-style-type: none"> <li>• Resolve trouble tickets</li> <li>• Table maintenance</li> </ul>



# Agenda

- **BSM Overview**
- **Components of an ERP**
- **BSM Property**
- **SAP Asset Master Demonstration**
- **Questions**





# **BSM Property**

## **Scope / Timeline / Asset Master Capability**

### **Release 2.0 (Oct 15, 2004):**

- Conversion of all DSCC records from DPAS into BSM
- DAISY interface functionality
- Full G/L connectivity
- Automated 1348-1A generation via DRMS website
- Custom DPAS files for BSM
- Some custom fields in SAP
- Interim solution for CIP/WIP & Capitalization via transfer-out DPAS then transfer-in BSM
- Training and post go-live support

### **Release 2.2 (December 2005):**

- Conversion of DSCR, DSCP & HQ into BSM
- Full acquisition capability – no interface required
- CIP/WIP & IPE functionality – no interface required
- Possible further DAISY interfaces
- Likely UID customization
- Possible barcode solution



# **BSM Property**

## **Sample of Conversion Data from DPAS**

- Nomenclature
- Local Use Text
- Stock Number
- Comp. Stock Number
- Bar Code
- Asset Status Code
- Mfr Name
- Acquisition Date
- Loan/Lease Code
- UIC
- Serial Number
- HRH Nbr / Name
- Last Inventory Date
- Location
- Sub Location
- Acctg Report Number
- DPAS Doc Number
- Demil Code
- Depreciation to Date
- Doc ID Number



# **BSM Property**

## **SAP Asset Master Reports**

- Asset History
- Total Asset
- Monthly Depreciation
- Posted Depreciation
- Assets In-Use
- Asset In-Transit
- Depreciation Forecast
- Hand Receipt Holder
- Changes to Records
- Directory of Unposted Assets
- Assets Not In-Use
- Asset Disposition



## BSM Property “Asset Classes”

- An SAP “Asset Class” is the highest level of organizing similar assets
- Core functionality that defaults many values

BSM has concatenated the DPAS...

Asset Code + Asset Control Code + Deprn Cd + Equip Deprn Code

...to create Asset Classes

- Capital Example:

A + L + C + 1 = Capital, Internal Use IT Software

- Non-Capital Example:

K + K + N + \* = Non-Capital Equipment - Other IT





# BSM Property

## Lessons Learned

- Data mapping takes time
- Meet face to face with interface partners
- The better the design, the better the build
- Set a date to lock configuration and stick to it
- Legacy systems in balance before conversion to ERP
- Understand how policy changes can affect data-cleansing
- Communicate, Communicate, Communicate



# BSM Property

## Key People

- DLA-BSM, Finance Process Owner
- DLA-BSM, Finance Process Lead
- DSS-IP, Property SME
- Contractor, Property Lead I
- DFAS, PP&E Financial SME
- DDC, Property Training SME
- Contractor, SAP Asset Master SME



# Agenda

- **BSM Overview**
- **Components of an ERP**
- **BSM Property**
- **SAP Asset Master Demonstration**
- **Review**
- **Questions**





# SAP Asset Master Demonstration

- Different types of Assets
  - Capital IT Asset
  - Capital Real Property Asset
  - Non-Capital Other Equipment Asset



- Reports
  - Total Capital Assets Report
  - Hand Receipt Holder Report
  - Planned Depreciation Report



# Agenda

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## Agenda

# Questions





# SAP Asset Master

## Screen Shot - General Tab Part 1 of 2

Asset Edit Goto Extras Environment Settings System Help

Display Asset: Master data

Asset values

Asset 10000001 0 Real Property Example Record  
Class 100050 Cap-Land&L.Rght-Majr Company code DL81

General Time-dependent Allocations Origin Addtl Data / Codes Contractor/ PO # Deprec. areas

General data

Description Real Property Example Record

Acct determination 100050 Capital - Land and Land Rights-RP (Major Const)

Serial number FAC NBR UP TO 7

Inventory number

☐ Manage historically

Inventory

Last inventory on  ☒ Include asset in inventory list

Inventory note

Posting information

Capitalized on  Deactivation on

First acquisition on  Plnd. retirement on

Acquisition year  000

Location Data

Location

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# SAP Asset Master

## Screen Shot - General Tab Part 2 of 2

Asset Edit Goto Extras Environment Settings System Help

Asset values

Asset 10000001 0 Real Property Example Record  
Class 100050 Cap-Land&L.Rght-Majr Company code DLA1

General Time-dependent Allocations Origin Addtl Data / Codes Contractor/ PO # Deprec. areas

Posting information

Capitalized on		Deactivation on	
First acquisition on		Plnd. retirement on	
Acquisition year	000		

Location Data

Location	
Sub Location	
Hand Receipt Holder Nbr	

Real Property

Installation Nbr	
Facility Code	
Prop Rec Nbr / Supp Nbr	
Document ID Nbr	
Facilities Text	

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# SAP Asset Master

## Screen Shot - Time Dependent Tab

Asset Edit Goto Extras Environment Settings System Help

Asset values

Asset: INTERN-00001 0 Test Record  
Class: 100200 Cap-Equip-IT Equip Company code: DLA1

General Time-dependent Allocations Origin Addtl Data / Codes Contractor/ PO # Deprec. areas

Interval from 01/01/1900 to 12/31/9999

Cost center: 1100001304

Plant: DSCC  
Fund: 97X49305C  
Funds center: 3000000014

☐ Asset shutdown

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# SAP Asset Master

## Screen Shot - Allocations Tab 1 of 2

Asset Edit Goto Extras Environment Settings System Help

Assetvalues

Asset: INTERN-00001 0 Test Record  
Class: 100200 Cap-Equip-IT Equip Company code: DLA1

General Time-dependent Allocations Origin Addtl Data / Codes Contractor/ PO # Deprec. areas

**Allocations**

Condition Code	A	Serviceable - Issuable without
Loan / Lease Code	A	Government Owned
Asset Status Code	1	Active Record
UIC	DSCAD0	
Investment reason	A	Non-munitions list item
Asset super number		

**Disposal Data**

Remarks 1	Data for 1348-1A Generation via DRMS website
Remarks 2	Data for 1348-1A Generation via DRMS website
Remarks 3	
Est Avail Date	
Miles / Hours	
Holding POC Name	Holding POC
Reporting POC Name	Reporting POC
POC Address Line 1	
POC Address Line 2	

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# SAP Asset Master

## Screen Shot - Allocations Tab 2 of 2

Asset Edit Goto Extras Environment Settings System Help

Assetvalues

Asset: INTERN-00001 0 Test Record  
Class: 100200 Cap-Equip-IT Equip Company code: DLA1

General Time-dependent Allocations Origin Addtl Data / Codes Contractor/ PO # Deprec. areas

Disposal Data

Remarks 1	Data for 1348-1A Generation via DRMS website
Remarks 2	Data for 1348-1A Generation via DRMS website
Remarks 3	
Est Avail Date	
Miles / Hours	
Holding POC Name	Holding POC
Reporting POC Name	Reporting POC
POC Address Line 1	
POC Address Line 2	
POC City	
POC State	
POC Zip Code	
POC Email	
POC COMM Phone	
POC DSN Phone	
POC Fax	

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# SAP Asset Master

## Screen Shot - Origin Tab

Asset Edit Goto Extras Environment Settings System Help

Asset values

Asset: INTERN-00001 0 Test Record  
Class: 100200 Cap-Equip-IT Equip Company code: DLA1

General Time-dependent Allocations Origin Addtl Data / Codes Contractor/ PO # Deprec. areas

Origin

Vendor: 1 record converted from DPAS  
Manufacturer: test  
☒ Asset purch. new  
☐ Purchased used  
Country of origin: US  
Type name: blank

Internal specifications

Original asset: [ ] [ ] Acq. on: [ ]  
Org. acquisition year: 1990  
Original value: 100,000 USD

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# SAP Asset Master

## Screen Shot - Addtl Data / Codes Tab

Asset Edit Goto Extras Environment Settings System Help

Asset values

Asset: INTERN-00001 0 Test Record  
Class: 100200 Cap-Equip-IT Equip Company code: DLA1

General Time-dependent Allocations Origin Addtl Data / Codes Contractor/ PO # Deprec. areas

Net worth valuation

Classification key: U ☐ Unclassified  
Property indicator: K ☐ Equipment

Additional Data

Doc Nbr:   
Acctg Report Nbr:   
Mfr Part Nbr:   
Special Control Item Code:

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# SAP Asset Master

## Screen Shot - Asset Values Screen 1 of 3

Asset Edit Goto System Help

Asset Explorer

Asset DLA1-100...

Company Code DLA1 Defense Logistics Agency

Asset 10000004 1 IT Software subnumber

Fiscal year 2004

Planned values Posted values Comparisons Parameters

Planned values Capital Assets

	Fiscal year start	Change	Year-end	Curr.
APC transactions		100,000.00	100,000.00	USD
Acquisition value		100,000.00	100,000.00	USD
Ordinary deprec.		5,000.00-	5,000.00-	USD
Write-up				USD
Value adjustment				USD
Net book value		95,000.00	95,000.00	USD
Down payments				USD
Scrap value				USD

Transactions

AsstVal date	Amount	TTY	Transaction type name	Ord. dep.	Curr.
03/18/2004	100,000.00	100	External asset acquisition	5,000.00-	USD
				5,000.00-	USD

Choose a time period between 2004 and 2104

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# SAP Asset Master

## Screen Shot - Asset Values Screen 2 of 3

Asset Explorer

Asset DLA1-100... Company Code DLA1 Defense Logistics Agency

Asset 10000004 1 IT Software subnumber

Fiscal year 2004

Planned values Posted values Comparisons Parameters

Posted dep. values Capital Assets

	Fiscal year start	Change	Posted values	Curr.
APC transactions		100,000.00	100,000.00	USD
Acquisition value		100,000.00	100,000.00	USD

Depreciation posted/planned

Per	Status	Ord. dep.	Reserves	Reval.dep.	Curr.
5	Planned	0.00	0.00	0.00	USD
6	Planned	0.00	0.00	0.00	USD
7	Planned	833.33-	0.00	0.00	USD
8	Planned	833.34-	0.00	0.00	USD
9	Planned	833.33-	0.00	0.00	USD
10	Planned	833.33-	0.00	0.00	USD
11	Planned	833.34-	0.00	0.00	USD
12	Planned	833.33-	0.00	0.00	USD
		5,000.00-	0.00	0.00	USD

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# SAP Asset Master

## Screen Shot - Asset Values Screen 3 of 3

Asset Explorer

Asset DLA1-100... Company Code **DLA1** Defense Logistics Agency  
Asset 10000004 1 IT Software subnumber  
Fiscal year 2004 To 2014

Planned values Posted values Comparisons Parameters

<01>

Capital Assets:2004 -2014

Fiscal year	APC transactions	Acquisition value	Ordinary deprec.	Net book value	Curr.
<2004					USD
2004	100,000.00	100,000.00	5,000.00-	95,000.00	USD
2005		100,000.00	10,000.00-	85,000.00	USD
2006		100,000.00	10,000.00-	75,000.00	USD
2007		100,000.00	10,000.00-	65,000.00	USD
2008		100,000.00	10,000.00-	55,000.00	USD
2009		100,000.00	10,000.00-	45,000.00	USD
2010		100,000.00	10,000.00-	35,000.00	USD
2011		100,000.00	10,000.00-	25,000.00	USD
2012		100,000.00	10,000.00-	15,000.00	USD
2013		100,000.00	10,000.00-	5,000.00	USD
2014		100,000.00	5,000.00-		USD
	100,000.00		100,000.00-		USD

Objects related t...  
Vendor  
BEST MA  
Cost Center  
Mjr Av OE  
G/L Account  
INTERNA

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# Questions